

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	709/227,228.ccls. and (balanc\$3 adj load) and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:23
L2	0	709/238.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:24
L3	3185	709/238.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L4	7872	709/203.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L5	822	709/239.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L6	83	708/105.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L7	962	718/105.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L8	2765	709/226.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:25
L9	4040	709/227.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:26
L10	3431	715/513.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:26
L11	472	717/114.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:26
L12	1607	709/200.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:26
L13	3796	709/201-202.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:26
L14	10338	709/217-219.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:27
L15	13887	709/223-225.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:27

EAST Search History

L16	9460	709/228-231.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:27
L17	815	717/102-104.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:27
L18	3107	718/102-104.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:28
L19	1010	719/310.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:28
L20	239	719/317.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:28
L21	269	L3 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:30
L22	12	I21 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L23	716	L4 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:31
L24	35	I23 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:31
L25	716	L4 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:31

EAST Search History

L26	35	I25 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:31
L27	75	L5 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:31
L28	35	I26 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:32
L29	0	L6 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:32
L30	274	L7 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:32
L31	274	L30 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L32	13	I30 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:32

EAST Search History

L33	81	I8 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L34	77	I9 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L35	26	I10 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L36	1	I11 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:37
L37	21	I12 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L38	92	I13 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L39	187	I14 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33

EAST Search History

L40	268	L15 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L41	37	L39 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36
L42	57	L40 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:33
L43	661	L16 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L44	26	L17 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L45	113	L18 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L46	43	L19 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34

EAST Search History

L47	7	L20 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L48	13	l45 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:34
L49	31	l43 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36
L50	19	speedera\$.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36
L51	1	l50 and decrypt\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36
L52	59923	hewlett\$.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36
L53	130	L52 and load near2 balanc\$3 same server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:36

EAST Search History

L54	1	I53 and session and scheduler	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:39
L55	39	swilden\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:39
L56	16	I55 and session	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/01 16:39
S1	0	DLBA adj scheduler	USPAT	OR	OFF	2004/05/19 13:56
S2	1	DLBA adj scheduler	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/05/19 13:56
S3	1	DLBA adj scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 13:59
S4	1	DLBA adj server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 13:59
S5	0	((HTTPS or SSL) near5 scheduler same ((web adj server) or webserver)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:00
S6	0	((HTTPS or SSL) near5 scheduler) same ((web adj server) or webserver)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:00
S7	0	((HTTPS or SSL) near5 scheduler) same (cluster)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:01
S8	48	((HTTPS or SSL) near5 scheduler)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:35
S9	1	((HTTPS or SSL) near5 scheduler and (load adj balancing)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:04
S10	19	((HTTPS or SSL) same (load adj balancing adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:07

EAST Search History

S11	6	(SSL) same (load adj balancing adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:21
S12	0	(SSL) near8 scheduler near8 (load adj balanc\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:19
S13	0	(SSL) near8 scheduler near8 load	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:19
S14	0	(SSL) near8 scheduler near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:19
S15	1	(SSL) near8 schedul\$2 near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:20
S16	4	(SSL) near8 schedul\$3 near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:20
S17	1	decrypt\$3 near8 (load adj balancing adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:21
S18	257	709/227,228.ccls. and load adj balanc\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:30
S19	17	(709/227,228.ccls. and load adj balanc\$3) and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:23
S20	49	709/227,228.ccls. and (balanc\$3 adj load)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:30
S21	7	709/227,228.ccls. and (balanc\$3 adj load) and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/01 16:23
S22	0	(SSL) near5 scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:35
S23	6	(SSL) same scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:36
S24	45	(SSL) near8 (load adj balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:45
S25	72	(load adj balanc\$3) near8 scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:46

EAST Search History

S26	12	(load adj balanc\$3) near8 scheduler near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:53
S27	355	(load adj balanc\$3) near8 (web adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 14:54
S28	18	((load adj balanc\$3) near8 (web adj server)) and ((load adj balanc\$3) near8 send\$3 near8 client)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 15:22
S29	8	"6389448"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 15:14
S30	6	709/238,223,243.ccls. and (load adj balanc\$3) near8 SSL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 15:25
S31	7	709/238,223,243.ccls. and (load adj balanc\$3) near8 scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 16:33
S32	0	709/238,223,243.ccls. and (load adj balanc\$3) near8 router near8 SSL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 16:34
S33	2	(load adj balanc\$3) near8 router near8 SSL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 16:35
S34	6	(load adj balanc\$3) near8 router same SSL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 16:43
S35	4	((load adj balanc\$3) near8 router same SSL) not ((load adj balanc\$3) near8 router near8 SSL)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 16:37
S36	1	("6128279").PN.	USPAT; USOCR	OR	OFF	2004/05/19 16:38
S37	26	"6128279"	USPAT	OR	OFF	2004/05/19 16:39
S38	14	"6128279" and SSL	USPAT	OR	OFF	2004/05/19 16:39
S39	33	(load adj balanc\$3) near8 persistence	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:01
S40	1	cookie adj injection	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:02
S41	0	(load adj balancing) same cookie near (modify\$3 or updat\$3 or chang\$ or add\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:03
S42	0	(load adj balancing) same (cookie near (modify\$3 or updat\$3 or chang\$ or add\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:03

EAST Search History

S43	45	(load adj balancing) and (cookie near (modify\$3 or updat\$3 or chang\$ or add\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:03
S44	7	(load adj balancing) and (cookie near (modify\$3 or updat\$3 or chang\$ or add\$3)) and persistence	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:03
S45	0	(redundant near scheduler) same (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:52
S46	1	(redundant near scheduler) and (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:58
S47	0	(redundant near scheduler) near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:53
S48	0	(redundant near scheduler) same server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:53
S49	3	(redundant near scheduler)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:54
S50	90	(redundant near (switch or router)) and (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:54
S51	19	(redundant near (switch or router)) same (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:54
S52	10	((replac\$3 or secondary) near scheduler) and (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 17:59
S53	9	((secondary) near scheduler) and (load near3 balanc\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 18:00
S54	26	(redundant near (load near3 balanc\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 18:00
S55	22	(redundant near (load adj balanc\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 18:49
S56	2	09/776,780	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 18:49
S57	18	(load adj balancing) near8 cookie	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/19 20:36
S60	0	("20020103846").PN.	USPAT	OR	OFF	2005/02/08 07:32

EAST Search History

S61	1	("20020103846").PN.	US-PGPUB; USPAT	OR	OFF	2005/02/08 08:40
S62	1	("6718359").PN.	US-PGPUB; USPAT	OR	OFF	2005/02/08 09:33
S63	216	HTTP near2 GET near2 requests	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 09:34
S64	3	HTTP near2 GET near2 requests same load adj balanc\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 09:36
S65	45	HTTP near2 GET near2 requests and load adj balanc\$5	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 09:37
S66	42	S65 not S64	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 09:37
S67	17	S66 and HTTP adj GET adj request	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 09:37
S68	29	S66 and HTTP adj GET adj requests	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 10:02
S69	12	S68 and (server near5 (farm or pool or several or array or group))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 10:10
S70	8	(load adj balanc\$5) and (server near5 (farm or pool or several or array or group)) and (replac\$5 near2 scheduler)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 10:12
S71	37	(load adj balanc\$5 near2 server near5 (replac\$5 or fail\$5))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 10:16
S72	34	(load adj balanc\$5) and (proxy near2 server near5 (replac\$5 or fail\$5))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 11:04

EAST Search History

S73	34	(US-20050021848-\$ or US-20040255016-\$ or US-20040250157-\$ or US-20040233916-\$ or US-20040221061-\$ or US-20040162076-\$ or US-20040103215-\$ or US-20040088424-\$ or US-20040039847-\$ or US-20040032862-\$ or US-20030229809-\$ or US-20030212926-\$ or US-20030163520-\$ or US-20030154306-\$ or US-20030108018-\$ or US-20030009538-\$ or US-20020194382-\$ or US-20020176404-\$ or US-20020138551-\$ or US-20020128984-\$ or US-20020112152-\$ or US-20020069241-\$).did. or (US-6820218-\$ or US-6813635-\$ or US-6792461-\$ or US-6748420-\$ or US-H002065-\$ or US-6377991-\$ or US-6341311-\$ or US-6327242-\$ or US-6311216-\$ or US-6154849-\$ or US-6108300-\$ or US-6026474-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/02/08 10:17
S74	34	S73 and (proxy near2 server near5 (replac\$5 or fail\$5))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 10:17
S75	1133	(load adj balanc\$5) and (decrypt\$5 same encrypt\$5)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/02/08 11:05
S76	81	(load adj balanc\$5) near5 server and (decrypt\$5 same encrypt\$5)	USPAT	OR	OFF	2005/02/08 11:06
S77	0	S76 and S70	USPAT	OR	OFF	2005/02/08 11:06
S78	45	(load adj balanc\$5) near server and (decrypt\$5 same encrypt\$5)	USPAT	OR	OFF	2005/02/08 11:06
S79	3	(load adj balanc\$5) near server and (decrypt\$5 same encrypt\$5), same SSL	USPAT	OR	OFF	2005/02/08 11:16
S80	1	("6374300").PN.	USPAT	OR	OFF	2005/02/08 11:16
S81	6	virtual adj2 address near5 scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/22 07:54
S82	0	virtual near2 IP near5 scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/22 07:54

EAST Search History

S83	57	virtual near2 IP near5 load adj balanc\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/22 07:54
S84	55	virtual near2 (IP adj address) near5 load adj balanc\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/07/22 07:56
S85	20	virtual near2 (IP adj address) near5 load adj balanc\$5	USPAT	OR	ON	2005/07/22 08:08
S86	89	decrypt\$5 near5 SSL	USPAT	OR	ON	2005/07/22 08:08
S87	22	decrypt\$5 near2 SSL	USPAT	OR	ON	2005/07/22 08:09
S88	22	decrypt\$3 near2 SSL	USPAT	OR	ON	2005/07/22 08:09
S89	13	decrypt\$3 near2 SSL and virtual	USPAT	OR	ON	2005/07/22 08:37
S90	12	S89 and https	USPAT	OR	ON	2005/07/22 08:14
S91	0	S90 and active near5 scheduler	USPAT	OR	ON	2005/07/22 08:15
S92	42	active adj scheduler	USPAT	OR	ON	2005/07/22 08:15
S93	0	S92 and SSL	USPAT	OR	ON	2005/07/22 08:15
S94	3	decrypt\$3 near2 SSL and virtual near5 server	USPAT	OR	ON	2005/07/22 08:38
S95	0	SSL same virtual near5 address near5 scheduler	USPAT	OR	ON	2005/07/22 08:39
S96	0	SSL same virtual near5 address near5 schedul\$5	USPAT	OR	ON	2005/07/22 08:39
S97	0	SSL same virtual near5 address near5 schedul\$5	US-PGPUB; USPAT	OR	ON	2005/07/22 08:39
S98	0	SSL and virtual near5 address near5 schedul\$5	US-PGPUB; USPAT	OR	ON	2005/07/22 08:40
S99	586	SSL and virtual and load adj balanc\$5	US-PGPUB; USPAT	OR	ON	2005/07/22 08:40
S10 0	93	SSL same virtual and load adj balanc\$5	US-PGPUB; USPAT	OR	ON	2005/07/22 08:40
S10 1	25	SSL same virtual same load adj balanc\$5	US-PGPUB; USPAT	OR	ON	2005/07/22 08:40
S10 2	1	SSL same virtual same load adj balanc\$5	USPAT	OR	ON	2005/07/22 08:40
S10 3	1	("6,332,124").PN.	USPAT	OR	OFF	2005/07/23 19:56
S10 4	10	headless adj computer	USPAT	OR	OFF	2005/07/23 19:56
S10 5	10	headless adj computer	USPAT	OR	ON	2005/07/23 19:57
S10 6	26	headless near5 server	USPAT	OR	ON	2005/07/23 19:57

EAST Search History

S10 7	89	headless near5 server	US-PGPUB; USPAT	OR	ON	2005/07/23 19:57
S10 8	39	headless near5 server and security	US-PGPUB; USPAT	OR	ON	2005/07/23 19:57
S10 9	20	headless near5 server and security and account	US-PGPUB; USPAT	OR	ON	2005/07/23 19:58
S11 0	0	headless near5 server and security and account and cluster	US-PGPUB; USPAT	OR	ON	2005/07/23 19:58
S11 1	11	headless near5 servers and security and account	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:21
S11 2	13	headless near5 servers and account	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:21
S11 3	0	headless near5 servers and new adj account	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:21
S11 4	1	new adj account near5 cluster	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:23
S11 5	1	new adj account near5 servers	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:31
S11 6	0	new adj account near5 yahoo	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:31
S11 7	0	new adj account near5 yahoo	US-PGPUB; USPAT	OR	ON	2005/07/23 20:33
S11 8	1	new adj account same server near farm	US-PGPUB; USPAT	OR	ON	2005/07/23 20:34
S11 9	2287	new adj account andserver near farm	US-PGPUB; USPAT	OR	ON	2005/07/23 20:34
S12 0	25	new adj account and server near farm	US-PGPUB; USPAT	OR	ON	2005/07/23 20:42
S12 1	258	new adj account near5 existing	US-PGPUB; USPAT	OR	ON	2005/07/23 20:42
S12 2	74	new adj account near5 existing and servers	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:42
S12 3	0	new adj account near5 ("not" near2 exist\$5) and servers	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:43
S12 4	8	new adj account near5 already and servers	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:43
S12 5	8	(US-20050065877-\$ or US-20050044224-\$ or US-20040083170-\$ or US-20030046589-\$ or US-20030023874-\$ or US-20010049637-\$).did. or (US-6633907-\$ or US-6337901-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:43
S12 6	8	S125 and new adj account near5 already	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:56

EAST Search History

S12 7	6	ISP near5 new adj account	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:58
S12 8	0	new adj account near10 (server near2 farm)	US-PGPUB; USPAT	OR	OFF	2005/07/23 20:58
S12 9	0	new adj account near10 (server near2 farm)	US-PGPUB; USPAT	OR	ON	2005/07/23 20:58
S13 0	1	new adj account same (server near2 farm)	US-PGPUB; USPAT	OR	ON	2005/07/23 21:02
S13 1	7	new adj account near5 ISP	US-PGPUB; USPAT	OR	ON	2005/07/23 21:07
S13 2	0	new adj account near5 suitable near5 server	US-PGPUB; USPAT	OR	ON	2005/07/23 21:07
S13 3	6	new adj account near5 server near5 check	US-PGPUB; USPAT	OR	ON	2005/07/23 21:10
S13 4	0	new adj account near5 server near5 optimal	US-PGPUB; USPAT	OR	ON	2005/07/23 21:10
S13 5	0	new adj account near5 server near5 reliable	US-PGPUB; USPAT	OR	ON	2005/07/23 21:11
S13 6	0	new adj account near5 server near5 reliabl\$5	US-PGPUB; USPAT	OR	ON	2005/07/23 21:11
S13 7	1	new adj account near5 server near5 subnet	US-PGPUB; USPAT	OR	ON	2005/07/23 21:13
S13 8	1	new adj account same subnet	US-PGPUB; USPAT	OR	ON	2005/07/23 23:12
S13 9	1	("5734831").PN.	USPAT	OR	OFF	2005/07/23 23:20
S14 0	0	new adj account same aggregation	USPAT	OR	ON	2005/07/23 23:20
S14 1	8	new adj account same aggregation	US-PGPUB; USPAT	OR	ON	2005/07/23 23:22
S14 2	160272	new adj account near5 unique aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/23 23:22
S14 3	6	new adj account near5 unique and aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 00:03
S14 4	454	subnet near5 address and aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 00:03
S14 5	0	subnet near5 address near5 client near5 compar\$5 and aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 00:04
S14 6	26	subnet near5 address near5 client and aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 00:05
S14 7	14	S146 and account	US-PGPUB; USPAT	OR	ON	2005/07/24 00:09
S14 8	94	client near5 "same" near5 subnet	US-PGPUB; USPAT	OR	ON	2005/07/24 00:10

EAST Search History

S14 9	0	client near5 "same" near5 subnet same aggregat\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 00:10
S15 0	5	client near5 "same" near5 subnet same group\$5	US-PGPUB; USPAT	OR	ON	2005/07/24 01:59
S15 1	7	headless near5 master	US-PGPUB; USPAT	OR	ON	2005/07/24 01:59
S15 2	43	scheduler near5 request\$5 near5 address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:32
S15 3	17	S152 and virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:31
S15 4	17	(US-20060165112-\$ or US-20060165111-\$ or US-20060165098-\$ or US-20050177644-\$ or US-20050044321-\$ or US-20020053013-\$).did. or (US-7046687-\$ or US-6820117-\$ or US-6505291-\$ or US-6438679-\$ or US-6308254-\$ or US-6216218-\$ or US-6016539-\$ or US-5940626-\$ or US-5815662-\$ or US-5572660-\$ or US-5109515-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/11 10:32
S15 5	17	S154 and scheduler near5 request\$5 near5 address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:56
S15 6	560	request\$5 near5 address same IP same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:56
S15 7	270	request\$5 near2 address same IP same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:56
S15 8	107	request\$5 near2 address near5 IP near10 virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:56
S15 9	0	S158 same scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 10:56
S16 0	2	S158 and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:04
S16 1	51	virtual near scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:07
S16 2	3	virtual adj scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:05

EAST Search History

S16 3	51	virtual near scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:09
S16 4	621	virtual adj IP adj address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:13
S16 5	329	S164 and load adj balancing	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:10
S16 6	35	S165 and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:11
S16 7	35	(US-20060129499-\$ or US-20060031374-\$ or US-20050216421-\$ or US-20050210296-\$ or US-20050114712-\$ or US-20040193512-\$ or US-20040019808-\$ or US-20030191970-\$ or US-20030154236-\$ or US-20030041263-\$ or US-20020194350-\$ or US-20020194345-\$ or US-20020194342-\$ or US-20020073337-\$ or US-20020065879-\$ or US-20010034792-\$).did. or (US-7058600-\$ or US-7007299-\$ or US-6968571-\$ or US-6944678-\$ or US-6772211-\$ or US-6745229-\$ or US-6714979-\$ or US-6631402-\$ or US-6615258-\$ or US-6606708-\$ or US-6598167-\$ or US-6587836-\$ or US-6515968-\$ or US-6490620-\$ or US-6473407-\$ or US-6385644-\$ or US-6377993-\$ or US-6115040-\$ or US-5774660-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/11 11:12
S16 8	35	S167 and virtual adj IP adj address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:13
S16 9	0	S167 and virtual adj IP adj address same scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:13
S17 0	1	active adj scheduler and virtual adj IP adj address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:15
S17 1	1	active near2 scheduler and virtual adj IP adj address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:15

EAST Search History

S17 2	0	swap\$5 near2 scheduler and virtual adj IP adj address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:19
S17 3	105	single near5 address near5 server same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:19
S17 4	37	single near2 address near2 server same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:28
S17 5	1	single near2 address near2 proxy same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:31
S17 6	0	single near2 address near2 web same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:32
S17 7	0	single near2 address near2 webserver same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:32
S17 8	0	single near2 address near2 web adj server same virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:33
S17 9	309	single near2 virtual near2 address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:41
S18 0	0	S179 same scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:33
S18 1	14	S179 and scheduler	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:33
S18 2	0	single near2 virtual near2 address near5 array	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:41
S18 3	20	single near2 virtual near2 address near5 cluster	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:46
S18 4	385	ARP\$5 near5 (server or scheduler)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:49
S18 5	3	ARPed near5 (server or scheduler)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:53
S18 6	7	ARPed near5 address	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:54

EAST Search History

S18 7	3	S186 and virtual	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:56
S18 8	1	ARPed near5 VIP	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:57
S18 9	1	VIP near5 ARP\$5 near5 cluster	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 11:58
S19 0	12	virtual adj IP adj address and address near5 ARP\$5 near5 cluster	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 12:05
S19 1	0	"servers use un-armed"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/11 12:05
S19 2	5	SSL same alive same client near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 18:01
S19 3	73	SSL and alive near10 client near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 18:02
S19 4	48	SSL near5 session and alive near10 client near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 18:02
S19 5	48	SSL near5 session and keep near2 alive near10 client near8 server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/12 18:14
S19 6	1	("6374300").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/12 18:15
S19 7	16	HTTP near5 SSL same GET near2 request	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/12 18:16



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1 [Security protocols: Improving secure server performance by re-balancing SSL/TLS handshakes](#)



Claude Castelluccia, Einar Mykletun, Gene Tsudik

 March 2006 **Proceedings of the 2006 ACM Symposium on Information, computer and communications security ASIACCS '06**

Publisher: ACM Press

 Full text available: [pdf\(327.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Much of today's distributed computing takes place in a client /server model. Despite advances in fault tolerance - in particular, replication and load distribution -- server overload remains to be a major problem. In the Web context, one of the main overload factors is the direct consequence of expensive Public Key operations performed by servers as part of each SSL handshake. Since most SSL-enabled servers use RSA, the burden of performing many costly decryption operations can be very detriment ...

Keywords: client puzzles, denial-of-service, hardware accelerators, load-balancing, server-aided RSA, server-aided secure computation

2 [Cryptography as an operating system service: A case study](#)



Angelos D. Keromytis, Jason L. Wright, Theo De Raadt, Matthew Burnside

 February 2006 **ACM Transactions on Computer Systems (TOCS)**, Volume 24 Issue 1

Publisher: ACM Press

 Full text available: [pdf\(669.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Cryptographic transformations are a fundamental building block in many security applications and protocols. To improve performance, several vendors market hardware accelerator cards. However, until now no operating system provided a mechanism that allowed both uniform and efficient use of this new type of resource. We present the OpenBSD Cryptographic Framework (OCF), a service virtualization layer implemented inside the operating system kernel, that provides uniform access to accelerator functio ...

Keywords: Encryption, authentication, cryptographic protocols, digital signatures, hash functions

3 [Performance analysis of TLS Web servers](#)



Cristian Coarfa, Peter Druschel, Dan S. Wallach



February 2006 **ACM Transactions on Computer Systems (TOCS)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(743.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

TLS is the protocol of choice for securing today's e-commerce and online transactions but adding TLS to a Web server imposes a significant overhead relative to an insecure Web server on the same platform. We perform a comprehensive study of the performance costs of TLS. Our methodology is to profile TLS Web servers with trace-driven workloads, replace individual components inside TLS with no-ops, and measure the observed increase in server throughput. We estimate the relative costs of each TLS p ...

Keywords: Internet, RSA accelerator, TLS, e-commerce, secure Web servers

4 Applications and compliance: Virtual monotonic counters and count-limited objects using a TPM without a trusted OS



Luis F. G. Sarmenta, Marten van Dijk, Charles W. O'Donnell, Jonathan Rhodes, Srinivas Devadas

November 2006 **Proceedings of the first ACM workshop on Scalable trusted computing STC '06**

Publisher: ACM Press

Full text available: pdf(447.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A trusted monotonic counter is a valuable primitive that enables a wide variety of highly scalable offline and decentralized applications that would otherwise be prone to replay attacks, including offline payment, e-wallets, virtual trusted storage, and digital rights management (DRM). In this paper, we show how one can implement a very large number of *virtual* monotonic counters on an untrusted machine with a Trusted Platform Module (TPM) or similar device, without relying on a trusted OS ...

Keywords: certified execution, e-wallet memory integrity checking, key delegation, stored-value, trusted storage

5 Distributed operating systems



Andrew S. Tanenbaum, Robbert Van Renesse

December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Publisher: ACM Press

Full text available: pdf(5.49 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Distributed operating systems have many aspects in common with centralized ones, but they also differ in certain ways. This paper is intended as an introduction to distributed operating systems, and especially to current university research about them. After a discussion of what constitutes a distributed operating system and how it is distinguished from a computer network, various key design issues are discussed. Then several examples of current research projects are examined in some detail ...

6 Protecting applications with transient authentication



Mark D. Corner, Brian D. Noble

May 2003 **Proceedings of the 1st international conference on Mobile systems, applications and services MobiSys '03**

Publisher: ACM Press

Full text available: pdf(294.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

How does a machine know who is using it? Current systems authenticate their users infrequently, and assume the user's identity does not change. Such *persistent*

authentication is inappropriate for mobile and ubiquitous systems, where associations between people and devices are fluid and unpredictable. We solve this problem with *Transient Authentication*, in which a small hardware token continuously authenticates the user's presence over a short-range, wireless link. We present the fo ...

7 Client-side caching for TLS



Hovav Shacham, Dan Boneh, Eric Rescorla

November 2004 **ACM Transactions on Information and System Security (TISSEC)**,

Volume 7 Issue 4

Publisher: ACM Press

Full text available: pdf(182.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose two new mechanisms for caching handshake information on TLS clients. The "fast-track" mechanism provides a client-side cache of a server's public parameters and negotiated parameters in the course of an initial, enabling handshake. These parameters need not be resent on subsequent handshakes. Fast-track reduces both network traffic and the number of round trips, and requires no additional server state. These savings are most useful in high-latency environments such as wireless network ...

Keywords: Bloom filters, TLS, session cache, wireless networks

8 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available: pdf(365.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

9 Cluster-based scalable network services



Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: pdf(2.42 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Authentication in distributed systems: theory and practice



Butler Lampson, Martín Abadi, Michael Burrows, Edward Wobber

November 1992 **ACM Transactions on Computer Systems (TOCS)**, Volume 10 Issue 4

Publisher: ACM Press

Full text available: pdf(3.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We describe a theory of authentication and a system that implements it. Our theory is

based on the notion of principal and a "speaks for" relation between principals. A simple principal either has a name or is a communication channel; a compound principal can express an adopted role or delegated authority. The theory shows how to reason about a principal's authority by deducing the other principals that it can speak for; authenticating a channel is one important application. We ...

Keywords: certification authority, delegation, group, interprocess communication, key distribution, loading programs, path name, principal, role, secure channel, speaks for, trusted computing base

11 Cryptographic storage security: Secure capabilities for a petabyte-scale object-based distributed file system



Christopher Olson, Ethan L. Miller

November 2005 **Proceedings of the 2005 ACM workshop on Storage security and survivability StorageSS '05**

Publisher: ACM Press

Full text available: [pdf\(199.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recently, the Network-Attached Secure Disk (NASD) model has become a more widely used technique for constructing large-scale storage systems. However, the security system proposed for NASD assumes that each client will contact the server to get a capability to access one object on a server. While this approach works well in smaller-scale systems in which each file is composed of a few objects, it fails for large-scale systems in which thousands of clients make accesses to a single file composed ...

Keywords: capabilities, object-based storage, scalability

12 A client-aware dispatching algorithm for web clusters providing multiple services



Emiliano Casalicchio, Michele Colajanni

April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**

Publisher: ACM Press

Full text available: [pdf\(311.46 KB\)](#) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

Keywords: clusters, dispatching algorithms, load balancing

13 Link and channel measurement: A simple mechanism for capturing and replaying wireless channels



Glenn Judd, Peter Steenkiste

August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05**

Publisher: ACM Press

Full text available: [pdf\(6.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

14 Information protection methods: Display-only file server: a solution against information theft due to insider attack



Yang Yu, Tzi-cker Chiueh

October 2004 **Proceedings of the 4th ACM workshop on Digital rights management DRM '04**

Publisher: ACM Press

Full text available: pdf(311.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Insider attack is one of the most serious cybersecurity threats to corporate America. Among all insider threats, information theft is considered the most damaging in terms of potential financial loss. Moreover, it is also especially difficult to detect and prevent, because in many cases the attacker has the proper authority to access the stolen information. According to the 2003 CSI/FBI Computer Crime and Security Survey, theft of proprietary information was the single largest category of loss ...

Keywords: access, digital rights management, information theft, insider attack

15 Authentication in distributed systems: theory and practice



Butler Lampson, Martín Abadi, Michael Burrows, Edward Wobber

September 1991 **ACM SIGOPS Operating Systems Review , Proceedings of the thirteenth ACM symposium on Operating systems principles SOSP '91**, Volume 25 Issue 5

Publisher: ACM Press

Full text available: pdf(2.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe a theory of authentication and a system that implements it. Our theory is based on the notion of principal and a "speaks for" relation between principals. A simple principal either has a name or is a communication channel; a compound principal can express an adopted role or delegation of authority. The theory explains how to reason about a principal's authority by deducing the other principals that it can speak for; authenticating a channel is one important application. We use the th ...

16 An authentication and key distribution system for open network systems



Shiuh-Pyng Shieh, Wen-Her Yang

April 1996 **ACM SIGOPS Operating Systems Review**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: pdf(622.50 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Keywords: distributed system security, network security

17 Protecting file systems with transient authentication

Mark D. Corner, Brian D. Noble

January 2005 **Wireless Networks**, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: pdf(422.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Laptops are vulnerable to theft, greatly increasing the likelihood of exposing sensitive files. Unfortunately, storing data in a cryptographic file system does not fully address this problem. Such systems ask the user to imbue them with long-term authority for decryption, but that authority can be used by anyone who physically possesses the

machine. Forcing the user to frequently reestablish his identity is intrusive, encouraging him to disable encryption. This tension between usability and secur ...

18 Atomicity in electronic commerce



J. D. Tygar

May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing PODC '96**

Publisher: ACM Press

Full text available: pdf(1.74 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



19 Session 5: Distributed storage: Deferring trust in fluid replication



Brian D. Noble, Ben Fleis, Landon P. Cox

September 2000 **Proceedings of the 9th workshop on ACM SIGOPS European workshop: beyond the PC: new challenges for the operating system EW 9**

Publisher: ACM Press

Full text available: pdf(94.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



Mobile nodes rely on external services to provide safety, sharing, and additional resources. Unfortunately, as mobile nodes move through the networking infrastructure, the costs of accessing servers change. Fluid replication allows mobile clients to create replicas where and when they are needed. Unfortunately, one must trust the nodes holding these replicas, and establishing trust in autonomously administered nodes is a difficult task. Instead, we argue that trust should be *deferred*. In ...

20 Best poster papers from MobiHoc 2002: Virtual operator based AAA in wireless LAN hot spots with ad-hoc networking support



Junbiao Zhang, Jun Li, Stephen Weinstein, Nan Tu

June 2002 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 3

Publisher: ACM Press

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Sound and effective authentication, authorization and accounting (AAA) schemes for convenient and secure mobile wireless accesses are of great importance given the increased popularity and business opportunities in public wireless LAN hot spots. One possible scheme, which uses the mobile users' service providers as the single point of contact for all AAA transactions, is emerging as a very promising solution. We refer to such service providers as "virtual operators". In this paper, we discuss va ...

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Load balancing webtop sessions

Webtop **session load balancing** is concerned with choosing a Secure Global Desktop **server** to log in to. You can use a number of mechanisms to choose an Secure ...
docs.sun.com/source/820-1088/webtop_loadbal.html - 16k - [Cached](#) - [Similar pages](#)

Decrypting load balancing array system - Patent 20010034792

The process of claim 1, wherein said **load balancing server decrypts** said request packet if it is an SSL **session** before routing and **load balancing** said ...
www.freepatentsonline.com/20010034792.html - 63k - [Cached](#) - [Similar pages](#)

Load Balancing in a Cluster

Load Balancing HTTP Sessions with an External **Load Balancer** ... This section describes WebLogic **Server load balancing** algorithms for EJBs and RMI objects. ...
edocs.bea.com/wls/docs81/cluster/load_balancing.html - 51k - [Cached](#) - [Similar pages](#)

Load Balancing in a Cluster

Load Balancing HTTP Sessions with an External **Load Balancer** ... all encryption and **decryption** of data between clients and the WebLogic **Server** cluster. ...
edocs.bea.com/wls/docs70/cluster/load_balancing.html - 34k - [Cached](#) - [Similar pages](#)

Using Load Balancers and Web Proxy Servers

In a production environment, a **load balancer** or Web proxy **server**, as illustrated ... "**Load Balancing HTTP Sessions** with an External **Load Balancer**" in "**Load** ...
e-docs.bea.com/platform/docs81/deploy/loadbal.html - 35k - [Cached](#) - [Similar pages](#)

End-to-end security in data networks - US Patent 7043632

The **load balancing** node of claim 15 further comprising means for connecting to the real **server** based on the **decrypted** information. ...
www.patentstorm.us/patents/7043632-claims.html - 17k - [Cached](#) - [Similar pages](#)

Java load balancing design tips

The **load balancer** can **decrypt** HTTPS requests and distribute **load**. HTTP **session** replication is expensive for a J2EE application **server**. ...
www.javaperformancetuning.com/tips/loadbalance.shtml - 32k - [Cached](#) - [Similar pages](#)

01-2003 lb-l: Re: [load balancing] Problems with using SSL ...

If the SSL **Session** ID is not usable and you don't want to **decrypt** the ... **server** is selected during the initial **load balancing** decision, have that ...
vegan.net/lb/archive/01-2003/0033.html - 8k - [Cached](#) - [Similar pages](#)

(WO/2001/069890) LOAD BALANCING IN A NETWORK

A **decrypting load balancing** array system uses a Pentaflow approach to ... routed to a back end Web **server**, allowing the DBLA **server** to schedule SSL **sessions** ...
www.wipo.org/pctdb/en/wo.jsp?wo=2001069890 - 38k - [Cached](#) - [Similar pages](#)

Performance Considerations

This is often done by using technologies such as software **load balancing**, ... and a specific **server**, only that **server** can encrypt and **decrypt** the requests ...
technet2.microsoft.com/WindowsServer/en/library/4b669ea6-245f-4616-bb6d-fc853f324def1033.mspx - 20k - [Cached](#) - [Similar pages](#)

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» Key

IEEE JNL IEEE Journal or
Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference
ProceedingIET CNF IET Conference
Proceeding

IEEE STD IEEE Standard

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